(6) Claims (Total 2 claims)

<u>Claim 1</u>
I claim a design of integrated system functional and corporate foundation database architecture, AIMS informationbase, in an inhomogeneous distributed corporate IT environment, which comprise the management functionalities, corporate foundation database architecture and business automation architecture and operations. And it is operated as an integral part of the enterprise process. It comprises (1) Business knowledge management (2) information planning and management (3) business automation and application design, construction (by one-push-button) and testing (4) project and document management (5) modeling management (6) user business automation applications operation and management (7) a foundation database comprising the business and project information database, metadatabase, and business automation rule base (8) AIMS generated and managed user operation databases. In addition, the metadatabase comprises the ISO 11179 metamodel.

Abstract of the disclosure

AIMS informationbase is designed for the distributed architecture in the existing inhomogeneous enterprise IT environment. This informationbase provides corporate business information, IT planning, business automation and many management capabilities such as information management, data management, document management, project management and business automation management, which is supported by a informationbase corporate foundation database.

Claim

As I claimed in claim 1, a design of an informationbase fundamental enterprise model addresses Information Technology issues from a comprehensive approach. The design of applying a single information object entry in the foundation database is for discovering of any information object in an enterprise.

Abstract of the disclosure

The way AIMS address the many issues encounter by many information Technology solutions are based on symptoms and does not resolve the cause. AIMS target to resolve the cause at the source where all data must be represented and included at the beginning. That is the reason with AIMS platform that all business issue can be addressed directly within the system. In addition, the intelligent data query can be made, by using informationbase and metadatabase. AIMS is targeting to resolve the difficulty for an enterprise in understanding or finding information resources or assets in the sea of corporate information.

Claim

As I claimed in claim 1, a one-push-button automated generating of the business application automation, database (s), and project documents, is a fully information automation by using the AIMS informationbase.

Abstract of the disclosure

One of the AIMS major goals is to fully automate the information development and documentation. By using the informationbase, user can view all business operation and requirement and design corporate information architecture and infrastructure. By using the metadatabase and project information, user can view all the AS-IS application and database, and view the TO-BE design and test them in the AIMS simulation environment. With all business operation databases information, planed corporate information architecture and infrastructure and business requirement ready in the informationbase, user can use one-push-button to generate the data warehouse and ETL processes.

Claim

As I claimed in claim 1, this integrated generic platform architecture is operated as an integral part of the enterprise process. This specific feature enables the enterprise to alter business process in real time dimension.

Abstract of the disclosure

The design of integrated generic platform, which is part of the entire business knowledge and business processes, makes it easy for the business transformation to take root at real time dimension and thus enable a business to transform seamlessly.

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Claim

As I claimed in claim 1, a design of virtual metadatabase in an inhomogeneous distributed corporate IT environment comprises an organized data semantics database, physical database related metadata repositories, standard code set and reference databases.

Abstract of the disclosure

AIMS metadatabase is designed for the distributed architecture in the existing inhomogeneous enterprise IT environment, which supports corporate data management with data semantics, standard code, reference data, and physical database technical metadata information.

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Claim

As I claimed in claim 1, my enterprise data model implemented enhanced ISO/IEC 11179 metamodel in my metadatabase for data semantics and for technical metadata consolidation.

Abstract of the disclosure

The ISO/IEC 11179 standard is international data modeling standard for data semantics modeling and metadata registry. The standard has been implemented to represent all data semantics in AIMS, and it is used to consolidate and link to the collections of technical metadata such as database, table, and column, etc.

Claim 2

I claim that AIMS comprises my state-of-art intelligent Computer-Manage-Computer (CMC) automation technology, which has never been published in the public arena.

Abstract of the disclosure

AIMS is design to eventually have computer provide management function to manage other computers (CMC). The process management algorithms is proven to work on higher level of intelligence as long as the business rule can be represented in the digital logic. This will be relief of management on monitoring various indexes in order to make business decision. By the modularized design, the CMC automation can be operated either an integrated part of AIMS or an independent system outside AIMS.

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